eldes

MAGNETIC DOOR CONTACT

EWD1

Magnetic door contact with panic button EWD1 is a wireless device with magnetic contact which are used to secure doors, windows or any other opening parts and operating with ELDES wireless security systems. Users have to bind it to the central device of security system (by sending a corresponding command via SMS message or using software „ELDES Configuration Tool"). When EWD1 is connected to the system, two wireless zones are added. First wireless zone is used to monitor the magnetic contacts and the second wireless zone is for managing the panic button. By default panic button zone is configured as Silent zone and in case of violation, system will cause an alarm to administrator numbers or/and to monitoring station without turning the siren on.

It is possible to connect up to 16 wireless devices to the central security system at a time. Maximum distance for wireless connection is 150 meters (in open areas).

1. Device Installation

1. Open EWD1 case and insert the battery.

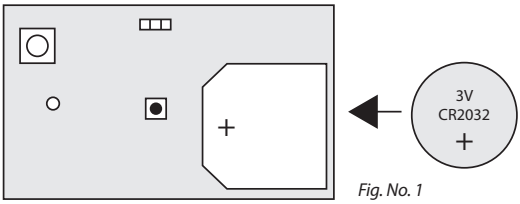

Fig. No. 1

2. Magnetic door contact consists of two parts: a magnet and a sensor. Sensor components are: a mounting part and the sensor. Magnet components are: a mounting part and the cover.

   2.1 Fix the sensor mounting part with two screws on the door or window jamb.

   2.2 Fix the magnet mounting part with two screws next to the sensor mounting part on door or window frame. How to fix the magnetic door contact correctly see Fig. No. 2. The distance between the magnet and the door contact must be no larger than 20 mm.

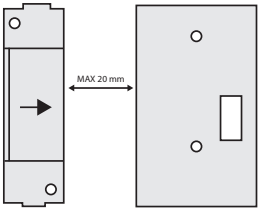

Fig. No. 2

   2.3 The sensor should be attached to the fixed sensors mounting part. When attaching sensor pay attention to the tamper (micro switch) - it must be pressed.

   2.4 The magnet cover should be attached to the fixed magnet mounting part.

NOTE: it is not recommend to fix the magnetic door contact other ways than with screws, e.g. with duck tape.

The incorrect ways of fixing magnetic door contact see Fig. No. 2.

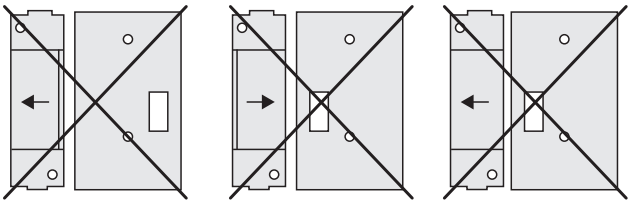

Fig. No. 3

3. Bind the device to central monitoring station. Use a software „ELDES Configuration Tool" or send corresponding SMS messages. Please read software Help section or central system installation manual for more information. Software "ELDES Configuration Tool" and installation manual can be downloaded for free in website www.eldes.lt. The system automatically informs about successful/unsuccessful bound device. If attempt to bind is unsuccessful, try to move the door contact EWD1 closer to central monitoring station and bind anew.
4. EWD1 magnetic door contact is ready to use.

2. Technical Specifications

Package content

1. EWD1 door contac.....qty. 1
2. Magnet.....qty. 1
3. CR2032 3V Lithium battery.....qty. 1
4. User manual.....qty. 1
5. Screws.....qty. 4

Electrical and Mechanical Characteristics

Battery type	CR2032 3V Lithium
Number of batteries	1
Battery operation time	~18 months*
Radio transmitter-receiver frequency	868 Mhz
Range of Operating Temperatures	-20...+55ºC
Door contact dimensions	60x37x18mm
Magnet dimensions	60x17x16mm
Radio communication range	30 meters in premises; 150 meters in open areas
Compatible with security systems	ELDES Wireless

* This operation time might vary in difference conditions.

Changing the battery

Only CR2032 3V Lithium batteries should be used. Install only new, good quality and not expired batteries. In order to replace old battery with a new one, remove front cover of the magnetic door contact (see chapter 1), carefully remove the device PCB and remove old battery. Then insert the new CR2032 3V Lithium battery.

ATTENTION: The battery must be removed if device is not in use.

ATTENTION: In order to avoid fire or explosion hazards, the system must be used only with approved battery. Special care must be taken when connecting positive and negative battery terminals. Dispose old batteries only into special collection sites. Do not charge, disassemble, heat or incinerate old batteries.

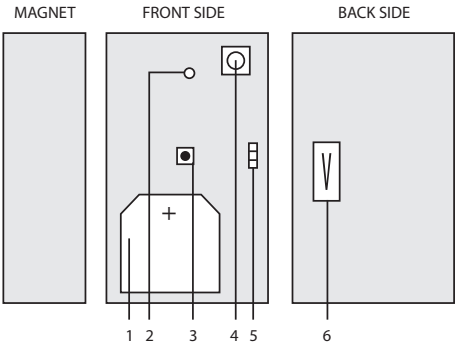

Fig. No. 4

1. BATTERY
2. LED
3. PANIC button
4. RESET button
5. PINS for firmware updates
6. TAMPER

Restoring default parameters

1. Remove the battery.
2. Press and hold RESET button.
3. Add removed battery.
4. Hold RESET button till LED indicator starts fast several times blinking.

3. Configuration using software "ELDES Configuration Tool"

Software "ELDES Configuration Tool" is used to work directly with central device of the security system, which can be connected to the computer via USB port. This software simplifies system configuration process by allowing to use PC in the process. Using this software, user can:

1. To bind new magnetic door contacts EWD1 to central monitoring station;
2. To remove or replace old magnetic door contacts with new ones;
3. To configure settings of all added to the system magnetic door contact;
4. To configure security system settings.

Software "ELDES Configuration Tool" is a freeware and can be downloaded from website www.eldes.lt.

4. Configuration command SMS Messages

ATTENTION: send command SMS messages to the number used by the central device of the security system. All SMS messages should start with the main 4-digit user password (in the examples provided "XXXX" marking is used). Underscore symbol "_" is used to represent space symbol.

4.1. Binding Modules to the Security System

ATTENTION: before sending SMS message check whether magnetic door contact EWD1 has the battery inserted. If it hasn't, binding to the central security system will be unsuccessful.

Binding of magnetic door contact EWD1 to the central device of security system station is performed by indicating module identification numbers:

```
XXXX_SET:ID1
```

Here "ID1" means magnetic door contact identification number. This identification number can be found on the back of the device. The system automatically provides two security zones to the connected door contact. The system informs about this via SMS message, for example, "ID1:Z14:ID1Z15" - here instead of "ID1" will be identification number of the module that you want to connect, "Z14 and Z15" – the numbers of free zones provided by the system.

You can bind more than one magnetic door contact at a time. In such a case separate identification numbers by ";" symbol, for example: " XXXX SET:ID1;ID2; ... ;ID16 ".

4.2. Settings of Activated Zones

After activating magnetic door contacts EWD1 each of them is automatically given zones numbers and set to the default settings.

4.2.1. Adjusting Alarm Text

Alarm text of a particular zone is adjusted by sending the following SMS message:

```
XXXX_Z2:TEXT
```

Here instead of "Text" enter the required alarm text consisting of up to 24 characters and instead of "Z2" indicate the number of the corresponding zone. You receive this alarm text by SMS message when a corresponding zone is triggered. To change alarm text of more than one zone separate entries by ";" symbol, for example: "XXXX Z2:Text2;Z3:Text3".

4.2.2. Enabling/Disabling Zones

You can choose which zones, after activating the alarm in the whole system, will be enabled or disabled. By initial factory default parameters all activated zones are enabled.

Any zone can be enabled by sending SMS message with the following format*:

```
XXXX_Z1:ON;Z2:ON;Z3:ON
```

Any secured zone can be disabled by sending SMS message with the following format*:

```
XXXX_Z1:OFF;Z2:OFF;Z3:OFF
```

* Indicate as many zones as you want to change their statuses separating entries by ";" symbol, as shown in the examples provided.

4.3. Requesting system status information

To find out the alarm texts and statuses of activated zones, send the following SMS message:

```
XXXX_STATUS
```

You will receive system response via SMS message, for example: "Z1:ON/OFF:Zone1; Z2:ON/OFF:Zone2; C1:ON/OFF:Controller1; C2:ON/OFF:Controller2"

This information SMS message indicates all wireless ELDES devices connected to the system and their current parameters.

ATTENTION: System informs about all active zones. If there are many active zones, the system informs about all of them in several SMS messages.

4.4. Requesting number of available slots to connect wireless devices

To find out the number of available slots to connect wireless devices to the central device of security system send the following SMS message:

```
XXXX_STATUS_FREE
```

NOTE: maximum number of wireless devices that can be connected to the central device of the security system station is 16 units.

4.5. Changing magnetic door contact EWD1

To change an old magnetic door contact EWD1 with a new one send the following SMS message:

```
XXXX_REP:ID<ID5
```

Here instead of "ID" indicate identification number (ID) of the old magnetic door contact EWD1. Identification number of the new magnetic door contact EWD1 is indicated instead of "ID5" marking. The new magnetic door contact is provided with the same zone number with all previous settings valid for the old one.

4.6. Deleting magnetic door contact EWD1

To delete magnetic door contact EWD1 from the security system send the following SMS message:

```
XXXX_DEL:ID
```

Here instead of "ID" indicate identification number (ID) of the magnetic door contact EWD1 want to delete. Removed from the system zones can be used to connect other wireless devices.

5. Additional Information

Limited Liability

The buyer must agree that the system will reduce the risk of fire, theft, burglary or other dangers but does not guarantee against such events. "ELDES UAB" will not take any responsibility regarding personal or property or revenue loss while using the system. "ELDES UAB" liability according to local laws does not exceed value of the purchased system. "ELDES UAB" is not affiliated with any of the cellular providers therefore is not responsible for the quality of cellular service.

Manufacturer Warranty

The system carries a 24-month warranty by the manufacturer "ELDES UAB". Warranty period starts from the day the system has been purchased by the end user. The warranty is valid only if the system has been used as intended, following all guidelines listed in the manual and within specified operating conditions. Receipt must be kept as a proof of purchase date. The warranty is voided if the system has been exposed to mechanical impact, chemicals, high humidity, fluids, corrosive and hazardous environment or other force majeure factors.

Safety instructions

Please read and follow these safety guidelines in order to maintain safety of operators and people around:

- Don't use the system where it can be interfere with other devices and cause any potential danger.
- Don't use the system with medical devices.
- Don't use the system in hazardous environment.
- Don't expose the system to high humidity, chemical environment or mechanical impacts.
- Don't attempt to personally repair the system. Any system repairs must be done only by qualified, safety aware personnel.

The WEEE (Waste Electrical and Electronic Equipment) marking on this product (see right) or its documentation indicates that the product must not be disposed of together with household waste. To prevent possible harm to human health and/or the environment, the product must be disposed on in an approved and environmentally safe recycling process. For further information on how to dispose of this product correctly, contact the system supplier, or the local authority responsible for waste disposal in your area.

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The declaration of conformity may be consulted at www.eldes.lt/ce

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